ILYAS IBRAGIMOV

Citizenship: U.S.

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EDUCATION

University College London (UCL) *London, 2015-2019*

MEng Electronic and Electrical Engineering *Expected: First Class Honours*

GPA: 4.0/4.0 (US equivalent)

4th Year Thesis: Network Packet Routing With Deep Reinforcement Learning (In Progress)

3rd Year Thesis: Deep Learning Applications with LSTM Networks in Cryptocurrency Trading

Related Courses: Applied Machine Learning Systems, Machine Learning and Neural Computing, Robotic Systems, Control Systems, Advanced Digital Design, Cognitive Systems and Intelligent Technologies

Brooklyn Technical High School *New York City, 2011-2015*

GPA: 4.0/4.0

EXPERIENCE

Fidessa (ION Group) *July 2018 - September 2018*

Platform Development Intern *Woking, UK*

Fidessa provides multi-asset trading and investment infrastructure, market data, and analytics to 85% of the world's premier financial institutions, with $26 trillion worth of transactions flowing through their network a year.

- Designed and developed a client-facing secure file delivery system with JavaScript, jQuery, HTML/CSS, Java and TCL to replace non-secure manual data delivery methods.
- Fulfilled change requests for back-end Java code and configuration of existing Fidessa systems.
- Developed an understanding of the financial technology industry through several courses and seminars.
- Participated in numerous intern activities focused on developing professional and soft skills, including teamwork and delivering presentations with a team.

Centre for Modelling and Analysis of Big Data in Finance and Economics *June 2017 - June 2018*

Research Associate *Innopolis University*

- Developed utilities with Python and Matlab for statistical analysis incorporating inference methods proposed by the research group.
- Developed, deployed, and maintained a dynamic website for the centre with Python web-framework Django, HTML/CSS and JavaScript. (*robustness.ru*)
- Performed regular editing and translation of the group's research papers.

UCL's How to Change the World Programme *June 2017*

Team Member *University College London*

- Worked with an interdisciplinary team to find innovative applications of smart technologies that would improve sustainable consumption and production patterns in the construction industry.
- Presented the ideas developed by the team to a panel of industry partners from the Ellen MacArthur Foundation, Alliance for Sustainable Building Products (ASBP), and Building Research Establishment (BRE).

PROJECTS

- Statsify - Displays a user's top Spotify artists and tracks as a mosaic (Flask web-framework and Spotify API)
- Electromyogram Signal Sensor for Measuring Muscle Activity (C and MSP430 microcontroller)
- Instrumentation System for Coffee Making (C and MSP430 microcontroller)

SKILLS

Programming Languages	**Python**, **Java**, HTML/CSS, JavaScript (jQuery), C, C++, TCL, SystemVerilog, Matlab, MIPS Assembly
Other	Git, Perforce, Keras, TensorFlow, Django, Flask, NS3, Linux (Red Hat and Debian)
Languages	English (Native), Russian (Native)